



Test Development Engineer

Essential Duties and Responsibilities

- Develop production test systems for RFID tags and readers.
- Develop test Software and Hardware and define test fixture requirements.
- Create test applications using data acquisition instrumentation such as analog to digital converters, spectrum analyzers, network analyzers, frequency generators and so on.
- Work closely with design engineers to establish test requirements and create test requirements specification.
- Perform system bring-up, test system validation and qualification.
- Create test plans and protocols, functional specs and test reports.
- Work closely with operation to understand manufacturing requirements for test processes and design and develop for high volume, high yield environment.
- Develop processes for NIST traceability.

Skills/Requirements

- Good understanding of digital and analog circuits.
- Experienced in instrumentation and capable of writing driver codes.
- Experienced in automation of test and calibration processes.
- Good understanding of interface such as USB, Ethernet, UARTs, Bluetooth and Wi-Fi.
- Experienced developing in C/C++ and scripting languages such as Ruby.

Additional Desirable Qualifications

- Experience with LabWindows CVI, LabView, Test Stand and National Instrument tools.
- Experienced with IEEE 488 interface.
- Knowledge of RF design concepts and RF test methodologies.
- Understanding of Antenna technologies and test parameters.
- Experience working with Linux.

Education

- BS or MS degree in Electrical or Computer Engineering.
- Minimum of 5 years related experience.